## Commental.



Advertisements.

ATTORNEYS-AT-LAW.

Ashford & Ashford,

ATTORNEYS, COUNSELLORS, SOLICITORS

ADVOCATES, ETC.

Office-Honolulu Hale, adjoining the Pos

JOHN T. DARE,

Attorney and Counsellor at Law

Office No. 12, Spreckels Block, Honolulu

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TECIL BROWN, ATTON NEY-AT-LAW AND

O Notary Public, Camptell's Block, Merchant

M. THOMPSON.

ATTORNEY-AT-LAW.

PRACTICES IN THE COURTS

J. M. MONSARRAT,

ATTORNEY AT LAW

-AND-

NOTARY PUBLIC.

Peal Estate in any part of the King-dom Bought, Sold and Leased on Commission Loans Negotiated and Legal Documents Drawn

No. 27 MERCHANT STREET,

A. O. Cook & Son,

OAK TANNED

LEATHER BELTING,

No. 415 Market street, San Francisco.

442 jan 25 '88

IRON-BARK

Foundation Timbers!!

We have just received from Australia a few Iron-bark Foundation Timbers.

And lix18 inches, 16 Feet Long.

These timbers, as their name signifies, are nearly as solid and durable as iron, and for foundation purposes, or others of like nature,

W. G. Irwin & Co.

Metropolitan Market

KING STREET,

Choicest Ments from Finest He d,

milles and shipping supplied on SHORT

NOTICE and at the

Lowest Market Prices.

All meats delivered from this market are thor

PROPRIETOR

cannot be surpassed.

G J. WALLER,

Header Drapers.

Lace Leather and

Gazette Block, Honolulu.

We When desired, will give the law in a writ-

CLARENCE W.

ASHFORD.

VOL. VI.--NO. 88.

HONOLULU, HAWAIIAN ISLANDS, THURSDAY, APRIL 14, 1887.

PRICE 5 CENTS.

## THE DAILY Pacific Commercial Advertiser

IS PUBLISHED

Every Morning Except Sundays.

DAILY P. C. ADVERTISER, one year. DAILY P. C. ADVERTISER, SIX months., DAILY P. C. ABVERTISER, three months... QAILY P. C. ADVERTISER, per month .... WEEKLY P. C. ADVERTISER, one year... & eign Subscription, W. P. C. A. (including postage).....

Payable Invariably in Advance

## PAPIER MACHE.

Description of Its Manufacture, and Some of Its Numerous Uses.

The manufacture of papier mache (literally, "chewed paper") forms an important branch of the paper industry. Who does not remember those projectiles of our school days which we called "spit-balls," and which when thrown at a wall or ceiling adhered thereto with tenacity? What was most striking about these balls was their extraordinary hardness after they become thoroughly dry, this being the more marked in proportion as the chewing had been more perfect.

It was through observing such hardness that the idea occured to some one to employ paper pulp in the manufacture of various objects. Yet the substance employed in the industry is not a "mashed" paper in the absolute sense of the word, but is a paper converted into a soft cardboard by mechanical

In the manufacture of papier mache, the raw material used is a bluish-gray, unsized, strong, fine-grained paper. The sheets may be compared (whiteness, which is of no account, being excepted) to Annonay lithographic paper. Cotton forms the basis of it.

These sheets are pasted together by vacans of a fayer of dextrine or starch, applied with a steel spatula. When the desired thickness has been obtained, the mass is put into a hydraulic press that operates in a highly heated drying room. Under the immense pressure of this apparatus there forms a solid block, which is as hard as boxwood or ebony, and which is perfectly plane or has the form of the mold in which the raw material, so ductile when moist and so hard when dry, was compressed. It can be molded into any shape whatever, that of table legs, chair arms, rose-work, moldings, etc.

This sort of wood, without pores, sap, fibers and knots, is capable of being worked with the saw, the gouge, the rasp and the lathe. It can be polished, if need be, although this operation is reserved for the thick black varnish that is applied to it in several coats with an intervening stay of a night in a very hot, air-heated drying room. When it comes from the latter the varnish is very hard, and is free from blisters and cracks. It is possible that many of the objects that are offered to us as being finished with Japan or Chinese lacquer are merely impregnated and covered with a mixture of gum copal, bitumen, tar, resin and other hydrocarbons impregnated with lamp-black and color in certain proportions.

The baking is the important point. When this operation has been too greatly prolonged, the varnish scales off and cracks; and when it has not been carried to a sufficient extent, the surface remains sticky. It is not necessary, then, to exceed a certain temperature, always higher than one hundred degrees.

This molded and pressed paper can be easily turned in the lathe, and made into light and indestructible balls and beads, or be fashioned into ink-stands. caskets and cylinders.

It is from this substance that are manufactured all those bracelets of large black beads studded with Scotch imitation diamonds, all those necklaces, pins, clasps and trinkets of all sorts that are taken for pitch coal or some precious wood. Again, those handsome bracelets composed of semi-lucid and opaline globules that seem to have been cut out of a stone formed of concentric layers, like certain precious stones, are merely of papier mache, cemented with white varnish and coated with the same. So, too, those beautiful nacreous, painted and gilded trays, round tables, and caskets that are known as Japanese work are merely papier mache. The Japanese know but one kind of gilding, while we have two-the dead and the brilliant. We have, likewise, a liquid nacre taken from the scales of the whitebait that well imitates the white currant and certain transparent berries. The nacre is solidly inlaid by means of the hydraulic press, and finally the surface is finished with pumice stone in order to make it perfectly even, and covered with a colorless varnish of the first quality.-Bulletin des Fabricants de Papier.

Around the World. The passage of the steamer Alameda from Auckland to San Francisco in twenty-three days and six hours reduces the time of the trip around the world to pixty-nine days.

Advertisements.

Claus Spreckels Wm. G. Irwin.

CLAUS SPRECKELS & CO.,

BANKERS.

HONOLULU HAWAIIAN ISLANDS

Draw Exchange on the principal parts of the

Will receive deposits on open account, make collections and conduct a general banking and

exchange business.

Deposits bearing interest received in their Say ings Department subject to published rules and

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OLAUS SPRESKRIS. WM. O IRWIN. WM. G. IRWIN & Co.,

SUGAR FACTORS and Commission

MACFARLANE & CO. WHOLESALE DEALERS AND GEN-eral Jubbers in WINES and LIQUORS. No. 12 Kaahumanu Street, HONOLULU.

M. PHILLIPS & Co., Importers and Wholesale Dealers in Clothing, Boots, Shoes, Hats, Men's Furnish-ing and Fancy Goods. 'No. 11 Kaahumanu Street Honolulu, H. I.

H. HACKFELD & CO., GENERAL COMMISSION AGENTS.
Queen St., Honolulu, H.I.

ED. HOFFSCHLAEGER & CU., Importers & Commission Merchants. Queen Street, Honolulu, H. I.

> WM. McCANDLESS. No. 6 Queen Street,

Fish Market. Dealer in choicest BEEF, VEAL MUTTON, FISH, etc. Family and Si ping Orders carefully attended to. Live Stock arotshed to vessels at short notice, and vegetables of all kinds supplied to

Photograph Rooms.

OVER NICHOL'S STORE, FORT STREET, next the Shooting Gallery. Pictures, Portraits and Views. First-class work. Satisfaction guaranteed. 114ap2 I. A. GONSALVES.

Opposite Freeth & Peacock's, NUUANU ST.

GOODS!

NEW GOODS! JUST RECEIVED.

A Large Assortment of Magnificent EBONY and CINNAMON-WOOD

FURNITURE, Marble-top and inlaid with Pearl.

----ALSO----all Varieties.

MATTING in all colors, including a new design never seen before in this city.

As Inspection invited.

WENNER & 92 Fort Street. Have on hand New Foreign and Homemade

Jewelry. Watches, Bracelets, Necklets, Pins, Lockets, Clocks, And ornaments of all kinds.

Silver and Gold Plate Elegant Solid Silver Tea Sets. Suitable for Presentation. ENGRAVING AND NATIVE JEWELRY

A Specialty.

Repairing in all its branches. sole Agents for King's Eye Preservers. 46-mar9-178

Advertisements.

ROYAL INSURANCE C 'MP' OF LIVERPOOL.

CAPPEAL

UNLIMITED LIABILITY. Pire Insurance of all description will be effected at Moderate Rates of Prem

WM. G. IEWIN & CO Managers for Haw, Islands

Fire and Marine Insurance Co.

UNION

Of New Zealand. : \$10,000,000 CAPITAL.

Having Established an Agency at Honolulu, for the Hawalian Islands, the undersigned are prepared to accept risks against Fire in dwellings, stores warehouses and merchandise on favorable terms. Marine risks on cargo, freights, bottomry, profits and commissi Losses promptly adjusted & payable WM. G. IRWIN & 'O.

THOMAS LINDSAY Manufacturing Jeweler, No. 60 Nunanu Street,

Honolulu, H. I. Particular attention paid to repairing.

The Risdon Iron & Locomotive Works.

Corner of Beal and Howard Streets, 

W. H. TAYLOR...... President JOS, MOORE..... Superintendent BUILDERS OF STEAM MACHINERY, IN ALL its branches; Steamboat, Steamship, Land Engines and Boilers, High Pressure or Com-

STEAM VESSELS of all kinds built complete with hulls of wood, iron or composite. ORDINARY ENGINES compounded when ad-

STEAM LAUNCHES, Barges and Steam Tugs constructed with reference to the trade in which they are to be employed. Speed, tonnage and draft of water guaranteed. SUGAR MILLS and Sugar Making Machinery made after the most approved plans. Also, all Boiler Iron Work connected therewith. WATER PIPE, of Boiler or Sheet Iron, of any size, made in suitable lengths for connecting

together, or Sheets Rolled, Punched and Packed for shipment, ready to be riveted on the IYDRAULIC RIVETING, Boiler Work and Water Pipes made by this establishment, riveted by hydraulic riveting machinery, that

quality of work being far superior to hand SHIP WORK, Ship and Steam Capstans, Steam Winches, Air and Circulating Pumps, made after the most approved plans. SOLE AGENTS and manufacturers for the Pacific Coast of the Heme Safety Boiler. PUMPS-Direct Acting Pumps for irrigation or city works' purposes, built with the celebrated Davy Valve Motion, superior to any other

S. WILLIAMS......Honolulu Room No. 3, upstairs, Spreckels' Block, 551mar12d&wtf Agent for Hawaiian Islands.

THE

pump.

NO. 7 FORT STREET. (Opposite Wilder & Co.'s)

H. J. Noite, Propr.

OPEN FOM 3 A. M. TILL 10 P. M. FIRST-CLASS LUNCHES, COFFEE,

TEA, SODA WATER, GINGER ALE, Cigars and Tobaccos

OF BEST BRANDS Plain and Fancy PIPES personally selected from the Manufacturers, and a Large Variety

of BEST QUALITY SMOKERS' ARTICLES.

Lovers o Billiards will find an Elegant CO. BILLIARD

The l'ioprietor would be pleased to receive a call from his Friends and the Public generally

LUNCH, A SMOKE, OR A GAME OF BILLIARDS.

H. J. NOLTE.

who may desire a

J. IVANCOVICH

Importers, Wholesale Dealers and Commission Foreign & Domestic Fruit. 500 Washington, and 601, 603 & 605 Sansome Sts SAN FRANCISCO.

This is the oldest established house in this line of business in San Francisco, and we are prepared to fill orders of all kinds in our line. SPECIALTY in PACKING all kinds of FRUIT for long distance markets. Your Patronage is Solicited 545 mar10'88

Advertisements.

INTER-ISLAND Steam Navigation Co.

STEAMER W. G. HALL,

Will run regularly to Masisea, Maul, and Kons

STEAMER IWALANI, Will run regularly to Nawiliwill, Koloa, Eleek

STEAMER C. R. BISHOP.

Will run regularly to Hamoa, Maui, and Kukui-

STEAMER JAMES MAKEE, .Commander Will run regularly to Kapas, Kauai,

(Lorenzen, Commander), and nine miles by carriage).

the VOLCANO HOUSE (five miles in the saddle Passengers by this route will have two days and two nights at the VOLCANO HOUSE.
TICKETS FOR THE ROUND TRIP TO THE
VOLCANO, FIFTY DOLLARS, WHICH PAYS ALL CHARGES. The Kinau will arrive in Honolulu Sunday mornings on Volcauo trips. On Hilo trips, will leave Honolulu on Tuesdays, and return Saturday

Kinau at Mahukona if a signal is made from the shore.

STEAMER LIKELIKE.

(Davis, Commander),

Leaves Honoldin every Monday at 5 P. M for \*Kannakakai, Kahului, Ruelo. Hana and Kipanulu, every week; Keanae, Mokulau and Nuu every other week. Returning, will stop at the above ports, arriving back Saturday mornings. \* For mails and passengers only.

STEAMER KILAUEA HOU, (Camerou, Commander),

holaleie, Ookala, Kukaiau, Honobina, Laupahoehoe, Hakalan and Onomea STEAMER LEHUA,

(Clark, Commander) Will leave regularly for same ports as Kilauea

Monday at 5 p. m .:

SAM'L G. WILDER, President. S. B. ROSE, Secretary. OFFICE-Corner Fort and Queen streets.

S. P. TAYLOR & CO.,

AND DEALERS IN Paper Bags, Twines, Etc..

414 and 416 Clay street, Pioneer and San Geronimo Paper Mills.

Geo. C. Shreve & Co.,

**JEWELERS** And Importers of

Diamonds, Watches, Silver and Silver Plated Ware, Decorated China, Art Brass Goods, Fans, Canes, Umbrellas, Berlin and Vienna Leather Goods, Opera Glasses, Clocks, Etc. Montgomery and Sutter Sts..

T A MEETING OF THE DIRECTORS OF

Honolulu January 6, 1887. 402-jan-tf Advertisements,

(LIMITED.)

(MALULANI,) 

and Waimea, Kauai.

T. R. FOSTER, President. J. ENA, Secretary. 53-ap7-1y

WILDER'S STEAMSHIP CO.,

Limited.

STEAMER KINAU,

Leaves Honolulu as per following schedule outhing at Lahaina, Maalaea, Makena, Mahukona, Kawaihae Laupahoehoe. Hilo and Keauhou: Commencing on MONDAY, July 26, 1886, and on every alternate Monday at 4 p. in., the Kluau will make the VOLCANO TRIP, reaching Keauhou on Wednesday morning, where horses and carriages are in waiting to convey passengers to

PASSENGER TRAINS will connect with the The Kinau WILL TOUCH at Honokaia and Paauhau on down trips from Hilo for Passengers

Will leave regularly for Lahaina, Paauhau, Ko-

STEAMER MOKOLII, (McGregor, Commander),

Leaves for the following ports every alternate Commencing August 2—To Lanal, Kamalo, Pu-koo, Lahaina. Olowalu. Returning to Lahaina, Fu'coo, Kamalo, Lanal, arriving at Honolulu Sat-Commencing August 9-To Kaunakakai, Kamao, Pukoo, Halawa, Wallau, Pelekunu, Kalaupapa. Returning to Pukco, Lahaina, Olowalu, Lahaina, Pukoo, Kamalo, Kannakakai, arriving at Honolulu Saturday morning.

The Company will not be responsible for any freight or packages unless receipted for, nor for personal baggage unless plainly marked. No responsible for money or jewelry unless placed in harge of the Purser. All possible care will be taken of Live Stock, but the Company will not assume any risk of accident.

Paper Manufacturers.

SAN FRANCISCO South Coast Paper Mill, Soquel, Santa Cruz

MANUFACTURING

SAN FRANCISCO. 443ja25 '88 NOTICE.

A the Mutual Telephone Company, held this day, it was decided to reduce the rent of instruments to \$5 per month in the districts of Koolau, Ewa, Waianae and Waialua. A. JAEGER, Secretary Mutual Telephone Co.

UNION FEED CO.

[IMPORTERS & DEALERS —In— HAY AND GRAIN, Telephone No. 175.

EUREKA!

have received a consignment o the most Economical and Valuable Feed for all kinds of Stock, viz.:

COOKED LINSEED MEAL. It is the greatest Flesh former, Milk and Butter producer in use. Oil Cake Meal shows about 27 per cent, of nu filive matter; this nearly 39 per cent.

100 bs. o this meal is equal to 300 bs. of oats, or 318 be, of corn, or to 767 bs, of wheat bran, For Sale in Lots to Suit. Also, our Unrivalled MIXED FEED, as well as

our usual supply of the best kinds o

Hay, Oats, Wheat, Corn, Etc., Etc. LAINE & CO.

TELEPHONE 55 NTERPRISE

PLANING MILL. Alakes, near Queen St.

To the Public.

The Pacific Transfer Co., Office with the Union Feed Co.

Bell Telephone 175. Mutual Telephone 175. I am fully prepared to do al! kinds of drayage, hanling or moving work, all of watch I will guarantee to execute faithfully S. F. GRAHAM, Proprietor,

J. H. SOPER,

J. M. Oat, Jr., & Co., STATIONERS & NEWS DEALERS, Hawaiian Gasette Block.

41-tf

Honolulu, H.I.

27 Merchant St.,

DR. IWAI,

Physician and Surgeon, Residence and Office, 40 Emma Street. OFFICE HOURS-From 9 to 12 a. m.

BELL TELEPHONE No. 423.

P. O. BOX 315.

E. F. Mayhew,

CONTRACTOR AND BUILDER,

86 Hotel Street, Honolulu, H L.,

(Opposite Fashion Stables)

BELL TELEPHONE 53

All work in my line faithfully done. Plans and specialcations made. Jobbing in all details done at short notice. Good work and low charges is

JOHN COOK, House Carpenter & Builder, 31 Alakea Street. Will furn estimates and make contracts for any description of wood buildings.

ongly chilled immediately after killing by means of a Bell-Coleman Patent Dry Air Refrigerator Meat so treated retains all its juley properties, and is GUARANTEED TO KEEP LONGER AFTER DELIVERY THAN FRESHLY-Jobbing of all kinds done, and satisfaction KILLED MEAT. Charges as low as the lowest.

VOLNEY

Business Cards.

S. L. STANLEY. JOHN SPRUANCE Spruance, Stanley & Co.,

Importers and Jobbers of Fine WHISKIES, WINES AND LIQUORS 410 Front St., San Francisco.

Fred ricksburg Brewing Co

2 tf &w

SAN JOSE, CAL. The Lager Beer of the above Brewery Was Awarded the First Prizes

Freeth & Peacock. HONOLULU, AGENTS

At the Expositions of 1885 and 1886.

MEDICAN COLORED CO AMERICAN CRACKER CU Office in Campbell's Block, corner Fort and Merchant streets, Honolulu, H. I.

Biscuit Manufacturers,

COR. SANSOME & BROADWAY STS., ten opinion, as to the probable result of the contention upon the facts stated 44tf San Francisco, Cal. JAMES DUNN, Supt.

> IGATION COMPANY. (Limited). Keep constantly on hand, for sale, arram, FAMILY and BLACKSMITH COAL, and a course assortment of BAR IRON.

> THE INTER-ISLAND STEAM NAV-

WATERHOUSE & LESTER Importers of Wagon Lumber

And CARRIAGE MATERIAL.

16 to 22 Beste Street, San Francisco. Schweitzer & Co. Importers and Jobbers of FANCY GOODS, HOSIERY, GLOVES, CORSETS. White Goods, Embroideries, Handker-chiefs, Luces, Ribbons, Lucient, & Childrens' Underwea

29 and 31 Battery St., San Francisco E. H. Bucknam & Co. Manufacturers and Dealers in SHIP STOVES Tin, Copper, Crockery and Sheet Iron Wares. Ship Lanterns and

Signal Off. 22 Stewart St., bet. Market and Mission.

SAN FRANCISCO, CAL Ship and Job Work and Stove Repairing of all kinds a specialty.

TO PLANTERS. SIZES-16x24 inches, 12 Feet Long. We have on hand a onsignmen Automatic Trash Feeding

> For four and five foot furnaces, complete with gratt bars, bearers and trash carriers. Machines of this make are now in successful operation at Spreckelsville, Makee Sugar Company and other plantations. Also, a consignment of

Filter Presses. Having all the latest improvements. PLANTERS AND OTHERS Interested are requested to call and examine the

Furnaces.

above. For prices and further particulars ap Wm. G. Irwin & Co.,

BONE MEAL!! The undersigned are now prepared to re

ceive orders for this Celebrated Fertilizer

from the manufactory of Buck & Ohlandt San Francisco: The following is a report of the component parts, as obtained by Chemical analy-Water..... 8.10 per cent Organic Matter..... 29.18 " Silicious Matter ..... 4.65 " Oxide of Iron...... .85 \*\* \*\* Carbonic Acid. . . . . 1.89 " \*

100.00 Nitrogen 2.7 per cent. Orders Received will have Prompt and Careful Attention.

W. G. Irwin & Co., Agents or the Hawajian Islands.

MONTHLY PAYMENTS.

All accounts for Advertising and Job Printing Pacific Commercial Advertiser

Office will from this date be presented for pay.

ment monthly. Honolulu, March 2, 1885.